

*DIVISION 5  
STRUCTURES*

**5.01**

**CONCRETE BRIDGE CONSTRUCTION**

**5.01.01**

**Description**

This work shall consist of constructing all or portions of structures of the required grade or grades of concrete, with or without steel reinforcement, as provided.

All materials and construction methods shall meet the requirements, insofar as practicable, of Section 5.03 of the current edition of the "Standard Specifications for Highway Construction" as published by the Michigan Department of Transportation. Deviations from these specifications will be allowed only by express written consent of the Engineer.

On pedestrian bridges, the concrete deck shall be finished as specified in Section 6.14, Concrete Sidewalk.

Concrete for the piers and abutments shall meet the requirements of 35S Structure Concrete as specified in Section 5.03 of the current MDOT Specifications.

The handling, storage, and erection of prestressed concrete beams shall be as specified in Section 5.03 of the current MDOT Specifications.

*DIVISION 5  
STRUCTURES*

**5.03**

**STRUCTURAL CONCRETE**

**5.03.01**

**Description**

This work shall consist of constructing all or portions of structures of the required grade or grades of concrete, with or without steel reinforcement, as provided.

All materials and construction methods shall meet the requirements, insofar as practicable, of Section 5.03 of the current edition of the "Standard Specifications for Highway Construction" as published by the Michigan Department of Transportation. Deviations from these specifications shall be allowed only upon the written authorization of the Engineer.

Concrete decks on pedestrian bridges shall be finished as specified in Section 6.14, Concrete Sidewalks.

Concrete for piers and abutments shall meet the requirements of 35S Structure Concrete as specified in Section 5.03 of the MDOT Standard Specifications.

Concrete for bridge decks shall meet the requirements of 45D Structure Concrete as specified in Section 5.03 of the MDOT Standard Specifications.

*DIVISION 5*  
*STRUCTURES*

**5.04**

**STRUCTURAL STEEL CONSTRUCTION**

**5.04.01**

**Description**

This work shall consist of fabricating, furnishing, delivering to the specified site and erecting in the work of all structural steel and other miscellaneous materials as provided on the plans, approved shop drawings or by authorization.

All materials and construction methods shall meet the requirements, insofar as practicable, of Section 5.04 of the current edition of the "Standard Specifications for Highway Construction" as published by the Michigan Department of Transportation. Deviations from these specifications shall be allowed only upon written authorization of the Engineer.

*DIVISION 5  
STRUCTURES*

**5.05**

**PRESTRESSED CONCRETE BEAMS**

**5.05.01**

**Description**

This work shall consist of the manufacture and erection of precast concrete beams.

All materials and construction methods shall meet the requirements, insofar as practicable, of Section 5.05 of the current edition of the "Standard Specifications for Highway Construction" as published by the Michigan Department of Transportation. Deviations from these specifications shall be allowed only upon written authorization of the Engineer.